Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/04/2015 12:00 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124686	-1	1.69	124596	1.63
Blue	F	SSC	125000	123794	-1	2.77	124802	2.60
Blue	E	FITC	17998	17337	-4	2.25	979	8.00
Blue	D	PE	23234	22509	-4	1.88	1017	7.00
Blue	B	PerCP-Cy5-5	69571	68305	-2	2.56	1803	11.46
Blue	A	PE-Cy7	77815	75654	-3	3.50	999	21.56
Red	C	APC	65936	65587	-1	2.52	3700	7.80
Red	A	APC-Cy7	100669	99968	-1	2.64	1978	7.42
Violet	B	V450	10405	9948	-5	3.67	619	8.02
Violet	A	V500	47250	46360	-2	3.31	2619	5.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19939	5.40	576	-3	N/A	N/A	Pass
Blue	F	SSC	61953	1.69	493	4	N/A	N/A	Pass
Blue	E	FITC	106	29.99	511	-4	0.0302	0	Pass
Blue	D	PE	211	21.90	503	-4	0.2281	140	Pass
Blue	B	PerCP-Cy5-5	219	34.03	586	-4	0.0145	0	Pass
Blue	A	PE-Cy7	79	83.12	640	-6	0.0199	10	Pass
Red	C	APC	344	24.63	577	-1	0.0230	0	Pass
Red	A	APC-Cy7	125	36.41	557	-2	0.0056	996	Pass
Violet	B	V450	65	42.36	451	1	0.0504	2054	Pass
Violet	A	V500	171	20.22	491	3	0.0159	28	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.88	-31.73	0.78
Blue	20.48	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.20
Red	17.62	13.07 - 19.61	N/A	N/A	32.23	32.54	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9565

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments